



12/16/04

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Georges et al.	Art Unit:	1614
Serial No.:	10/801,988	Examiner:	TBA
Date Filed:	December 15, 2003	Conf. No.	TBA
Docket Nos.:	AUR-016US and 112418.151	Cust. No.:	23483
Title:	TRIOSEPHOSPHATE ISOMERASE DIRECTED DIAGNOSTICS AND THERAPEUTICS FOR MULTIDRUG RESISTANT NEOPLASTIC DISEASE		

CERTIFICATION UNDER 37 C.F.R. § 1.10

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INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Applicants submit herewith the references on the attached Form PTO-1449. Copies of the cited U.S. patent references, U.S. published application references and pending U.S. application references are not enclosed as the Applicants believe that they are available to the Examiner via the PTO's internal database. Copies of the aforementioned references can be provided to the Examiner upon his/her request. Copies of all other cited references are enclosed herewith.

This Information Disclosure Statement is being filed under 37 C.F.R. § 1.97 (b) (3), before the mailing of a first Office Action on the merits, therefore no fee is due.

The filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in the statement is, or is considered to be material to patentability. Applicants reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application. If it should be determined that any of the listed documents constitute prior art under United States law, Applicants reserve the right to


present to the Office relevant facts and law regarding the significance of such documents to the patentability of the claimed invention.

It is respectfully requested that the Examiner initial and return a copy of the attached Form PTO-1449 with the next Patent Office communication.

No fees are believed to be due in connection with this submission; however, please charge any fees that might be due to Deposit Account Number 08-0219. If there are any questions, the Examiner is invited to call the undersigned at the telephone number indicated below.

Respectfully submitted,

Date: 12/15/04


Ann-Louise Kerner, Ph.D.
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PTO/SB/08a (08-03)

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Sheet 1 of 9

Complete if Known

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Filing Date	03/15/2004
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Art Unit	1614
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Attorney Docket Number	112418.151/AUR-016

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 4,720,386	01/19/1988	McColleston	
		US- 5,194,384	03/16/1993	Bystryn	
		US- 5,407,653	04/18/1995	Piwnica-Worms	
		US- 6,338,853 B1	01/15/2002	Bystryn	
		US- 6,352,996 B1	03/05/2002	Cao et al.	
		US- 6,406,689 B1	06/18/2002	Falkenberg et al.	
		US- 6,417,336	07/09/2002	Morishima et al.	
		US- 6,476,193	11/05/2002	Nandabalan et al.	
		US- 6,511,676 B1	01/28/2003	Boulikas	
		US- 6,562,347 B1	05/13/2003	Kwak et al.	
		US- 6,572,856 B1	06/03/2003	Taylor et al.	
		US- 6,593,087 B2	07/15/2003	Prichard et al.	
		US- 6,623,923 B1	09/23/2003	Xu et al.	
		US- 6,630,327 B1	10/07/2003	Mechetner et al.	
		US- 6,657,048 B2	12/02/2003	Young et al.	
		US- 20020061316A1	05/23/2002	Srivastava	
		US- 20020198139A1	12/26/2002	Deutschman et al.	
		US- 20030012793A1	01/16/2003	Srivastava et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
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		Number-Kind Code ² (if known)			
		US- 20030012794A1	01/16/2003	Srivastava et al.	
		US- 20030031661A1	02/13/2003	Graner et al.	
		US- 20030087412A1	05/08/2003	Nandabalan et al.	
		US- 20030157081A1	08/21/2003	Bonini et al.	
		US- 20030165519A1	09/04/2003	Srivastava	
		US- 20030180721A1	09/25/2003	Witkin	
		US- 10/737,712	12/15/2003	Georges et al.	
		US- 10/736,889	12/15/2003	Georges et al.	
		US- 20040185511A1	09/23/2004	Georges et al.	
		US- 5,801,154	09/01/1998	Frank et al.	
		US- 2002110912A1	08/15/2002	Jatinder et al.	
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		WO 02/071061A	09/12/2002	Gabor et al.		
		WO 03/008542A	01/30/2003	Scherf et al.		
		EP 0813872A	12/29/1997	Kureha Chemical		

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First Named Inventor

Georges et al.

Art Unit

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NON PATENT LITERATURE DOCUMENTS

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		ABOU-JAWDE et al., An Overview of Targeted Treatments in Cancer, Clinical Therapeutics, Vol. 25, No. 8, 2003, pp. 2121-2137	
		ALQAWI and GEORGES, The multidrug resistance protein ABCC1 drug-binding domains show selective sensitivity to mild detergents, Biochemical and Biophysical Research Communications 303, 2003, pp. 1135-1141	
		BARRETO et al., Stress-induced release of HSC70 from human tumors, Cellular Immunology 222, 2003, pp. 97-104	
		CHENG et al., Retaining of the Assembly Capability of Vimentin Phosphorylated by Mitogen-Activated Protein Kinase-Activated Protein Kinase-2, Journal of Cellular Biochemistry, 89, 2003, pp. 589-602	
		DEN BOER et al., Relationship Between Major Vault Protein/Lung Resistance Protein, Multidrug Resistance-Associated Protein, P-Glycoprotein Expression, and Drug Resistance in Childhood Leukemia, Blood, Vol. 91, No. 6, 1998, pp. 2092-2098	
		DI PIETRO et al., Modulation by flavonoids of cell multidrug resistance mediated by P-glycoprotein and related ABC transporters, Cell. Mol. Life Sci. 59, 2002, pp. 307-322	
		DU et al., Dual Requirement for Rho and Protein Kinase C in Direct Activation of Phospholipase D1 Through G Protein-coupled Receptor Signaling, Molecular Biology of the Cell, Vol. 11, 2000, pp. 4359-4368	
		DURBIN et al., An epitope on carcinoembryonic antigen defined by the clinically relevant antibody PR1A3, Proc. Natl. Acad. Sci. USA, Vol. 91, 1994, pp. 4313-4317	
		FAIGLE et al., Vimentin Filaments in Fibroblasts Are a Reservoir for SNAP23, a Component of the Membrane Fusion Machinery, Molecular Biology of the Cell, Vol. 11, 2000, pp. 3485-3494	
		FEIG, Designer Drugs: New Directed Therapies for Cancer, International Journal of Hematology Suppl. II, 76, 2002, pp. 281-283	

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		FUJITA et al., High Molecular Weight Vimentin Complex Is Formed after Proteolytic Digestion of Vimentin by Caspase-3: Detection by Sera of Patients with Interstitial Pneumonia, Microbiol. Immunol., 47(6), 2003, pp. 447-451	
		GARNETT, Targeted drug conjugates: principles and progress, Advanced Drug Delivery Reviews, 53, 2001, pp. 171-216	
		GOTO et al., Phosphorylation and reorganization of vimentin by p21-activated kinase (PAK), Genes to Cells, 7, 2002, pp. 91-97	
		GRATAMA et al., Flow Cytometric Quantitation of Immunofluorescence Intensity: Problems and Perspectives, Cytometry 33, 1998, pp. 166-178	
		HEIDENTHAL et al., The Binding in Vitro of Modified LDL to the Intermediate Filament Protein Vimentin, Biochemical and Biophysical Research Communications, 267, 2000, pp. 49-53	
		HERRMANN and AEBl, Intermediate filaments and their associates: multi-talented structural elements specifying cytoarchitecture and cytodynamics, Current Opinion in Cell Biology, 12, 2000, pp. 79-90	
		HUBERT et al., STEAP: A prostate-specific cell-surface antigen highly expressed in human prostate tumors, PNAS, Vol. 96, No. 25, 1999, pp. 14523-14528	
		IQBAL and LENZ, Targeted Therapy and Pharmacogenomic Programs, Cancer Supplement, Vol. 97, No. 8, 2003, pp. 2076-2082	
		KIM et al., Multidrug Resistance-Associated Protein (MRP) is expressed in osteosarcoma but is not a significant mechanism of drug resistance, 47th Ann. Mtg., Orthopaedic Research Society, 2001, p. 0855	
		KIM, Targeted therapies for the treatment of cancer, The American Journal of Surgery, 186, 2003, pp. 264-268	

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		KOWN et al., In Vivo Imaging of Acute Cardiac Rejection in Human Patients Using 99m Technetium Labeled Annexin V, American Journal of Transplantation, 1, 2001, pp. 270-277	
		KREITMAN and PASTAN, Immunotoxins for targeted cancer therapy, Advanced Drug Delivery Reviews, 31, 1998, pp. 53-88	
		LING, Multidrug resistance: molecular mechanisms and clinical relevance, Cancer Chemother. Pharmacol., 40 Suppl., 1997, pp. S3-S8	
		MESCHINI et al., Intracellular P-glycoprotein expression is associated with the intrinsic multidrug resistance phenotype in human colon adenocarcinoma cells, Int. J. Cancer, 87, 2000, pp. 615-628	
		MOR-VAKNIN et al., Vimentin is secreted by activated macrophages, Nature Cell Biology, Vol, 5, 2003, pp. 59-63	
		PARK, Tumor-directed Targeting of Liposomes, Bioscience Reports., Vol. 22, No. 2, 2002, pp. 267-281	
		PATTERSON et al., Reduced Numatrin/B23/Nucleophosmin Labeling in Apoptotic Jurkat T-lymphoblasts, The Journal of Biological Chemistry, Vol, 270, No. 16, 1995, pp. 9429-9436	
		ROTS et al., Targeted cancer gene therapy: the flexibility of adenoviral gene therapy vectors, Journal of Controlled Release, 87, 2003, pp. 159-165	
		ROWLINSON-BUSZA and EPENETOS, Targeted delivery of biologic and other antineoplastic agents, Current Opinion in Oncology, 4, 1992, 1142-1148	
		SCHROEIJERS et al., the Mr 193,000 Vault Protein Is Up-Regulated in Multidrug-resistant Cancer Cell Lines, Cancer Research, 60, 2000, pp. 1104-1110	

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		WEHNER et al., Expression levels of hsc70 and hsp60 are developmentally regulated during B-cell maturation and not associated to childhood c-ALL at presentation or relapse, Eur. J. Haematol., 71, 2003, pp. 100-108	
		STEINERT et al., A High Molecular Weight Intermediate Filament-associated Protein in BHK-21 Cells Is Nestin, a Type VI Intermediate Filament Protein, The Journal of Biological Chemistry, Vol. 274, No. 14, 1999, pp. 9881-9890	
		STRELKOV et al., Molecular architecture of intermediate filaments, BioEssays, 25, 2003, pp. 243-251	
		TRAIL et al., Monoclonal antibody drug immunoconjugates for targeted treatment of cancer, Cancer Immunol. Immunother, 52, 2003, pp. 328-337	
		TREIB and KOTZ, Proteins expressed in osteosarcoma and serum levels as prognostic factors, The International Journal of Biochemistry & Cell Biology, 33, 2001, pp. 11-17	
		TUROWSKI et al., Vimentin Dephosphorylation by Protein Phosphatase 2A Is Modulated by the Targeting Subunit B55, Molecular Biology of the Cell, Vol. 10, 1999, pp. 1997-2015	
		WANG and LIU, Targeting Strategies in Cancer Gene Therapy, Acta Biochimica et Biophysica Sinica, 35(4), 2003, pp. 311-316	
		WU et al., High-resolution microPET imaging of carcino-embryonic antigen-positive xenografts by using a copper-64-labeled engineered antibody fragment, PNAS, Vol. 97, No. 15, 2000, pp. 8495-8500	
		YOKOTA et al., Rapid tumor penetration of a single-chain Fv and comparison with other immunoglobulin forms, Cancer Research, Vol. 52, Issue 12, 1992, pp. 3402-3408	
		YASUAKI et al., 70 kDa heat shock cognate protein is a transformation-associated antigen and a possible target for the host's anti-tumor immunity, Journal of Immunology, Vol. 151, No. 10, 1993, pp. 5516-5524	

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		MULTHOFF et al., A Stress-inducible 75-kDa Heat-shock Protein (HSP72) Is Expressed on the Surface of Human Tumor Cells, But Not on Normal Cells, International Journal of Cancer 1995 United States, Vol. 61, no. 2, 1995, pp. 272-279	
		STRIK et al., Heat Shock Protein Expression in Human Gliomas, Anticancer Research 2000 Nov.-Dec. pp. 4457-4462	
		KIANG, et al., Heat Shock Protein 70 kDa, Molecular Biology, Biochemistry, and Physiology, Pharmacology and Therapeutics, Vol. 80, no. 2, November 1998, pp. 183-201	
		VOLM, Manfred, Multidrug Resistance and Its Reversal, Anticancer Research, Vol. 18, no. 4C, July 1998, pp. 2905-2917	
		KURSULA, et al., Structural Determinants for Ligand Binding and Catalysis of Triosephosphate Isomerase, Eur. J. Biochem. 2001, 268, pp. 5189-5196	
		DAVENPORT, et al., Structure of the Triosephosphate Isomerase-Phosphoglycolohydroxamate Complex: An Analogue of the Intermediate on the Reaction Pathway, Biochemistry 1991, 30: pp. 5821-5826	
		ZHANG, et al., Crystal Structure of Recombinant Chicken Triosephosphate Isomerase-Phosphoglycolohydroxamate Complex at 1.8-Å Resolution, Biochemistry 1994, 33: pp. 2830-2837	
		NOBLE, et al., Structures of the "Open" and "Closed" State of Trypanosomal Triosephosphate Isomerase, as Observed in a New Crystal Form: Implications for the Reaction Mechanism, PROTEINS: Structure, Function, and Genetics 1993, 16: 311-326	
		OROSZ, et al., Enhanced Association of Mutant Triosephosphate Isomerase to Red Cell Membranes and to Brain Microtubules, PNAS February 1, 2000, Vol. 97, No. 3, pp. 1026-1031	
		BOYER and MAQUAT, Modulation of Human Triosephosphate Isomerase Gene Transcription by Serum, Journal of Biological Chemistry 1991, Vol. 266, No. 20, pp. 13350-13354	

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		de BERSAQUES, J., Enzymes of Carbohydrate Metabolism in Human Epidermal Tumors, Journal of Cutaneous Pathology 1975, 2: 198-202	
		NAGASE, et al., Analyses of Polypeptides in the Liver of a Novel Mutant (Lec Rats) to Hereditary Hepatitis and Hepatoma by Two-Dimensional Gel Electrophoresis: Identification of P29/6.8 as Carbonic Anhydrase III and Triosephosphate Isomerase, Comp. Biochem Physiol. 1991, Vol. 99B, No. 1, pp. 193-201	
		ISHIGURO, et al., Identification of Genes Differentially Expressed in B16 Murine Melanoma Sublines with Different Metastatic Potentials, Cancer Research February 15, 1996, 56: 875-879	
		MATSUI, et al., Immobilized pH Gradient Two-Dimensional Gel Electrophoresis and Mass Spectrometric Identification of Cytokine-Regulated Proteins in ME-180 Cervical Carcinoma Cells, Electrophoresis 1997, 18: 409-417	
		KOVÁROVÁ, et al., Proteomics Approach in Classifying the Biochemical Basis of the Anticancer Activity of the New Olomoucine-Derived Synthetic Cyclin-Dependent Kinase Inhibitor, Bohemine, Electrophoresis 2000, 21: 3757-3764	
		RITTER, KLAUS, Affinity Purification of Antibodies from Sera Using Polyvinylidenedifluoride (PVDF) Membranes as Coupling Matrices for Antigens Presented by Autoantibodies to Triosephosphate Isomerase, Journal of Immunological Methods 1991, 137: 209-215	
		CLAUSER, et al., Rapid Mass Spectrometric Peptide Sequencing and Mass Matching for Characterization of Human Melanoma Proteins Isolated by Two-Dimensional PAGE, Proc. Natl. Acad. Sci. May 1995, Vol. 92, pp. 5072-5076	
		MONTGOMERIE, et al., The 28K Protein in Urinary Bladder, Squamous Metaplasia and Urine is Triosephosphate Isomerase, Clinical Biochemistry 1997, Vol. 30, No. 8 pp. 613-18	
		LICHTENFELS, et al., Identification of Metabolic Enzymes in Renal Cell Carcinoma Utilizing PROTEOMEX Analyses, Biochimica et Biophysica Acta 2003, 1646: 21-31	
		WANG, et al., Cloning Genes Encoding MHC Class II-Restricted Antigens: Mutated CDC27 as a Tumor Antigen, Science 21 May 1999, Vol. 284, pp. 1351-1354	

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